VOLUME CONTENTS

CONTENTS VOL. 70 NO. 1 1989

P. Gómez-Segade, R. Anadón and L. Gómez-Segade. Monoaminergic systems in the hypothalamus of the acanthopterygian *Chelon labrosus* (Risso, 1826), with special reference to the organon vasculosum hypothalami **1**

R. M. Kristensen and A. Hay-Schmidt. The protonephridia of the arctic kinorhynch *Echinoderes aquilonius* (Cyclorhagida, Echinoderidae) **13**

Y. Benayahu. Reproductive cycle and developmental processes during embryogenesis of *Clavularia hamra* (Cnidaria, Octocorallia) **29**

J. Billen, L. Joye and R. H. Leuthold. Fine structure of the labial gland in *Macrotermes bellicosus* (Isoptera, Termitidae) **37**

K. Tsuneki and M. Nozaki. Histological and immunohistochemical studies of the neurohypophysis of primitive teleosts, the Osteoglossidae **47**

E. Andersson and R. Olsson. The oral papilla of the lancelet larva (*Branchiostoma lanceolatum*) (Cephalochordata) **53**

P. E. King and K. S. Ahmed. Sperm structure in the Psocoptera **57**

Book review. *Invertebrate models: cell receptors and cell communication* **63**

CONTENTS VOL. 70 NO. 2 1989

S. O. Asaolu. Morphological studies on the testis of adults of *Moniliformis* (Acanthocephala) **65**

H. C. Bjerring. Apertures of craniate olfactory organs **71**

E. Bayraktaroglu, D. W. Golding and A. C. Whittle. Further evidence that synaptic and synaptoid vesicles constitute a single category of inclusions: dense-cored synaptic and synaptoid vesicles in *Helix* discharge their contents by exocytosis **87**

R. G. Kessel. Fibrogranular material, annulate lamellae and microtubules during spermiogenesis in *Drosophila melanogaster* **95**

D. B. Conn and L. J. Rocco. Fine structure of the cellular parenchyma and extracellular matrix of *Ophiotaenia loennbergii* (Cestoda: Proteocephalidea) **105**

G. Rehkämper, V. Storch, G. Alberti and U. Welsch. On the fine structure of the nervous system of *Tubiluchus philippinensis* (Tubiluchidae, Priapulida) **111**

C. Jouin and A. Toulmond. The ultrastructure of the gill of the lugworm *Arenicola marina* (L.) (Annelida, Polychaeta) **121**

Book reviews **131**

CONTENTS VOL. 70 NO. 3 1989

G. O. Mackie, C. Nielsen and C. L. Singla. The tentacle cilia of *Aglantha digitale* (Hydrozoa: Trachylina) and their control **133**

O. Munk. Duplex retina in the mesopelagic deep-sea teleost *Lestidiops affinis* (Ege, 1930) **143**

U. Midtgård. Posthatching development of vascularization, arteriovenous anastomoses and seromucous glands in the avian nasal mucosa **151**

Å. Jespersen and J. Lützen. Ultrastructure of the protonephridial terminal organ in the terrestrial nemertean *Geonemertes pelaensis* (Rhynchocoela, Enopla, Hoplonemertini) **157**

CONTENTS VOL. 70 NO. 3 1989 (Continued)

R. Tastás-Duque and E. Sylvén. Sensilla and cuticular appendages on the female abdomen of *Lasioptera rubi* (Schrank) (Diptera, Cecidomyiidae) **163**

G. Haszprunar. The anatomy of *Melanodrymia aurantiaca* Hickman, a coiled archaeogastropod from the East Pacific hydrothermal vents (Mollusca, Gastropoda) **175**

J. G. Nielsen, E. Bertelsen and Å. Jespersen. The biology of *Eurypharynx pelecanoides* (Pisces, Eurypharyngidae) **187**

CONTENTS VOL. 70 NO. 4 1989

W. Lehmann, G. Sterba and A. M. Wobus. Primary culture of the mouse subcommissural organ *in vitro* **199**

A. V. Ramachandran and P. I. Ndukuba. Tail regeneration in normal, blinded and pinealectomized gekkonid lizards, *Hemidactylus flaviviridis*, exposed to four different light conditions during three seasons (temperatures) **205**

N. D. Holland and L. Z. Holland. The fine structure of the testis of a lancelet (=amphioxus), *Branchiostoma floridae* (phylum Chordata: subphylum Cephalochordata =Acrania) **211**

A. Pulsford and A. Zapata. Macrophages and reticulum cells in the spleen of the dogfish, *Scyliorhinus canicula* **221**

H. Glenner, J. T. Høeg, A. Klysner and B. B. Larsen. Cypris ultrastructure, metamorphosis and sex in seven families of parasitic barnacles (Crustacea: Cirripedia: Rhizocephala) **229**

C. J. Pfeiffer and K. J. Lowe. Cirral structure of the pedunculated marine barnacle *Lepas anatifera* L. (Crustacea, Cirripedia)—I. Ultrastructure of the neuromuscular apparatus **243**

Volume Contents and Author Index Volume 70, 1989 **i**